

What I claim is:

1. A drainage tile line flow regulator comprising:
 - (a) a housing having a bottom and two opposed and aligned openings to allow water to enter and exit said housing;
 - (b) a flow adjustment assembly;
 - (c) said flow adjustment assembly further comprising at least one electric cylinder associated with said housing, a power source, and an actuator bar assembly;
 - (d) means for pre-selecting dates associated with said power source;
 - (e) a partition dividing said housing into a front portion and a back portion and having at least one aperture to permit water to flow from the housing front portion to said back portion and means for securing said partition in position between said front portion and said back portion; and
 - (f) said actuator bar assembly comprising a cross support, a first bar including an upper end associated with said electric cylinder and a lower end, and a first vertically movable gate associated with said lower end of said first bar, and means for slidably associating said gate with said partition such that upon the actuation of said electric cylinder by said power source, said first gate moves relative to said at least one aperture in said partition such that said at least one aperture can be opened or closed.
2. A drainage tile flow regulator as claimed in claim 1 wherein said flow adjustment assembly further comprises an outer sleeve in telescopic relationship with said upper end of said first bar; said electric cylinder and said outer sleeve are

associated with said cross bar; and said electric cylinder is further associated with said upper end of said first bar.

3. A drainage tile flow regulator as claimed in claim 1 further comprising:

- a) a second aperture in said partition vertically spaced apart from said at least one aperture;
- b) a second bar with an upper end and a lower end and associated with said at least one electric cylinder; and
- c) a second vertically movable gate associated with said second bar and means for slidably associating said second gate with said partition such that upon the actuation of said electric cylinder, said second gate moves relative to said second aperture in said partition such that said second aperture can be opened or closed.

4. A drainage tile flow regulator as claimed in claim 3 wherein said adjustment assembly further comprises a first outer sleeve in telescopic relationship with said upper end of said first bar and a second outer sleeve in telescopic relationship with said upper end of said second bar, and said electric cylinder and each said outer sleeve are associated with said cross bar, said electric cylinder is further associated with said upper end of said first bar and said upper end of said second bar.

5. A drainage tile flow regulator as claimed in claim 3 wherein said adjustment assembly further comprises:

- a) a first outer sleeve in telescopic relationship with said upper end of said first bar and a second outer sleeve in telescopic relationship with said upper end of said second bar;

- b) a second electric cylinder;
- c) said electric cylinder and said first outer sleeve are associated with said cross bar and said electric cylinder is further associated with said upper end of said first bar; and
- d) said second electric cylinder and said second outer sleeve are associated with said cross bar and said second electric cylinder is further associated with said upper end of said second bar.

6. A drainage tile flow regulator as claimed in claim 2 wherein said partition comprises an upper portion having an aperture, a lower portion having an aperture, a plurality of spacers for adjusting space between said apertures, and means for securing said partition in position comprises tracks mounted in said housing into which said upper portion, said lower portion, and said plurality of spacers slide.

7. A drainage tile flow regulator as claimed in claim 5 wherein said partition comprises an upper portion having an aperture, a lower portion having an aperture, a plurality of spacers for adjusting space between said apertures, and means for securing said partition in position comprises tracks mounted in said housing into which said upper portion, said lower portion, and said plurality of spacers slide.

8. The drainage tile flow regulator as claimed in claim 1 wherein said means for pre-selecting dates comprises an electronic calendar, at least one transceiver, and a software program wherein said dates are conveyed to said timer means such that said electric cylinder is actuated on said pre-selected dates.

9. The drainage tile flow regulator as claimed in claim 5 wherein said means for pre-selecting dates associated with said power source comprises an electronic

calendar, at least one transceiver, means for wireless relay of a signal, and a software program wherein said dates are conveyed to said electronic calendar from said software by said means for wireless relay of said signal such that said first electric cylinder and said second electric cylinder are actuated on pre-selected dates.

10. The drainage tile flow regulator as claimed in claim 9 wherein said means for wireless relay of a signal to said transceiver from said software comprises a tower.
11. The drainage tile flow regulator as claimed in claim 9 wherein said power source comprises a solar panel for gathering solar power associated with a battery for storing said power.
12. A drainage tile flow regulator as claimed in claim 2 wherein said two opposed and aligned openings in said housing are placed near said bottom of said housing.
13. A drainage tile flow regulator as claimed in claim 2 wherein said flow adjustment assembly further comprises three flow positions wherein a first position is fully closed if said first gate and said second gate close said at least one aperture and said second aperture forcing water to flow over said partition; a second position is partially open when said first gate is moved relative to said at least one aperture such that it is open and said second gate is in position to close said second aperture forcing water to flow through said at least one aperture; and a third position is fully open when said first gate and said second gate open said at least one aperture and said second aperture allowing water to flow through each.

14. A drainage tile line flow regulator as claimed in claim 2 wherein said means for securing said partition between said front portion and said back portion comprises tracks affixed to said housing into which said partition slidably fits.
15. A drainage tile line flow regulator comprising:
 - (a) a housing having at least two opposed and aligned openings to allow water to enter and exit said housing;
 - (b) a flow adjustment assembly;
 - (c) said flow adjustment assembly comprising a first and a second electric cylinder, a power source, and an actuator bar assembly;
 - (d) means for pre-selecting dates comprising timing means and associated with said power source for controlling the actuation of said first and said second electric cylinders;
 - (e) a partition dividing said housing into a front portion and a back portion and having vertically spaced first and second apertures to permit water to flow from the housing said front portion to said back portion and means for securing said partition in position between said front portion and said back portion; and
 - (f) said actuator bar assembly comprising a cross support, a first bar including an upper end and a lower end, a first vertically movable gate associated with said lower end of said first bar, a second bar including an upper end and a lower end, a second vertically movable gate associated with said lower end of said second bar, and means for slidably associating each said gate with said partition such that upon the actuation of said first electric

cylinder, said first gate moves relative to said first aperture and upon actuation of said second electric cylinder, said second gate moves relative to said second aperture.

16. The drainage tile line flow regulator as claimed in claim 15 wherein said timing means comprises a 12-month electronic calendar and said means for pre-selecting dates further comprises a software program, a relay tower, and a transceiver wherein said dates are entered in said software and a signal carrying the dates is relayed by said tower to said transceiver and, in turn, to said electronic calendar for actuating said first and second electric cylinders.
17. The drainage tile line flow regulator as claimed in claim 15 wherein said power source comprises a solar panel for gathering solar power and a battery for storing said power.
18. The drainage tile line flow regulator as claimed in claim 15 wherein said means for securing said partition in position between said front portion and said back portion of said housing comprises a channel mounted in said housing into which said partition is fitted and means for slidably associating said first vertically movable gate and said second vertically movable gate with said partition comprising at least one set of tracks mounted on said partition and spaced so as to slidably accommodate said first and second gates.
19. A drainage tile line flow regulator comprising
 - (a) a housing having a bottom, and two opposed and aligned openings to allow water to enter and exit said housing;
 - (b) a flow adjustment assembly;

- (c) said flow adjustment assembly comprising at least one electric cylinder, a solar panel for gathering solar power and a solar battery for storing said power;
- (d) means for pre-selecting dates for controlling the actuation of said at least one electric cylinder comprising a 12-month electronic calendar, a software program, a transceiver associated with said calendar, and means for relaying a signal from said software program to said transceiver to actuate said at least one said cylinder;
- (e) a partition dividing said housing into a front portion and a back portion and having a height and a first aperture and a second aperture vertically spaced from one another to permit water to flow from the housing front portion to said back portion and means for securing said partition in position between said front portion and said back portion; and
- (f) said flow adjustment assembly for controlling flow through said first and second apertures further comprising:
 1. a first vertically movable gate and a second vertically movable gate;
 2. means for slidably associating said first and second gates with said partition;
 3. a first bar with an upper end and a lower end whereas said upper end is associated with said electric cylinder and is in telescopic relationship with a first outer sleeve, and said lower end of said first bar is associated with said first vertically movable gate such that upon actuation of said at least

one cylinder, said upper end moves vertically within said first outer sleeve and said first gate is vertically displaced;

4. a second bar with an upper end and a lower end whereas said upper end is associated with said at least one electric cylinder and is in telescopic relationship with a second outer sleeve, and said lower end of said second bar is associated with said second vertically movable gate such that upon actuation of said at least one cylinder, said upper end of said second bar moves vertically within said second outer sleeve and said second gate is vertically displaced;

5. said means for slidably associating said first gate with said partition and said means for slidably associating said second gate with said partition each comprise a set of tracks mounted on said partition; and

(g) three flow positions wherein:

1. fully closed comprises said first aperture and said second aperture closed by said first gate and said second gate respectively such that flow is directed over said height of said partition;

2. partially open comprises said first aperture opened by said first gate and said second aperture closed by said second gate whereby flow is directed only through said first aperture; and

3. fully open comprises said first aperture opened by said first gate and said second aperture opened by said second gate whereby flow is directed through said first and said second apertures.

20. The tile flow regulator as claimed in claim 19 wherein said partition comprises an upper portion containing said first aperture, a lower portion containing said second aperture, and a plurality of spacers for adjusting the vertical spacing between said first and second apertures and the height of said partition, and means for securing said partition in position comprising tracks mounted in said housing into which said upper portion, said lower portion, and said plurality of spacers are slidably received.